

FEDERAL ITEM IDENTIFICATION GUIDE

RELAY, CONTROL-MONITORING

ITEM NAME CODE

68306

This Reprint replaces FIIG A545E, dated July 3, 2009.



Commander
Defense Logistics Information Service
ATTN: DLIS-K
74 Washington Avenue North, Suite 7
Battle Creek, Michigan 49037-3084
(COMM) (269) 961-5779
(DSN) 661-5779

This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Table of Contents

SECTION I	3
Reply Tables	12
Reference Drawing Groups.....	17
FIIG Change List	18

SECTION I

MRC	Mode Code	Requirements																														
NAME	D	ITEM NAME																														
		Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.																														
		Reply Instructions: Enter the applicable Item Name Code to this FIIG. (e.g., NAMED68306*)																														
AFZC	D	FUNCTION FOR WHICH DESIGNED																														
		Definition: THE SPECIFIC PURPOSE FOR WHICH THE ITEM IS DESIGNED.																														
		Reply Instructions: Enter the applicable Reply Code from the table below (e.g., AFZCDCB*; AFZCDAJ\$\$DCB*)																														
		<table><tr><td><u>REPLY CODE</u></td><td><u>REPLY (AE74)</u></td></tr><tr><td>CU</td><td>ACCESS MANAGEMENT</td></tr><tr><td>DZ</td><td>AIR CONDITIONING MANAGEMENT</td></tr><tr><td>CB</td><td>ALARM</td></tr><tr><td>DY</td><td>CENTRAL HEATING MANAGEMENT</td></tr><tr><td>CC</td><td>CONTROL</td></tr><tr><td>AH</td><td>CURRENT REGULATOR</td></tr><tr><td>AJ</td><td>DETECTOR</td></tr><tr><td>EA</td><td>ENGINE MANAGEMNT</td></tr><tr><td>AM</td><td>GENERAL PURPOSE</td></tr><tr><td>DX</td><td>HOME AUTOMATION</td></tr><tr><td>CV</td><td>LIGHTING MANAGEMENT</td></tr><tr><td>EB</td><td>MOTOR MANAGEMENT</td></tr><tr><td>AV</td><td>SWITCHING</td></tr><tr><td>AY</td><td>VOLTAGE REGULATOR</td></tr></table>	<u>REPLY CODE</u>	<u>REPLY (AE74)</u>	CU	ACCESS MANAGEMENT	DZ	AIR CONDITIONING MANAGEMENT	CB	ALARM	DY	CENTRAL HEATING MANAGEMENT	CC	CONTROL	AH	CURRENT REGULATOR	AJ	DETECTOR	EA	ENGINE MANAGEMNT	AM	GENERAL PURPOSE	DX	HOME AUTOMATION	CV	LIGHTING MANAGEMENT	EB	MOTOR MANAGEMENT	AV	SWITCHING	AY	VOLTAGE REGULATOR
<u>REPLY CODE</u>	<u>REPLY (AE74)</u>																															
CU	ACCESS MANAGEMENT																															
DZ	AIR CONDITIONING MANAGEMENT																															
CB	ALARM																															
DY	CENTRAL HEATING MANAGEMENT																															
CC	CONTROL																															
AH	CURRENT REGULATOR																															
AJ	DETECTOR																															
EA	ENGINE MANAGEMNT																															
AM	GENERAL PURPOSE																															
DX	HOME AUTOMATION																															
CV	LIGHTING MANAGEMENT																															
EB	MOTOR MANAGEMENT																															
AV	SWITCHING																															
AY	VOLTAGE REGULATOR																															
CYAA	J	CONTACT TYPE AND QUANTITY																														
		Definition: INDICATES THE TYPE AND NUMBER OF CONTACTS WHICH MAKEUP THE ASSORTMENT OF THE ITEM.																														
		Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the quantity. (e.g., CYAAJBK32*; CYAAJBK16\$\$JCL24*)																														
CWGH	J	OUTPUT CURRENT RATING																														

FIIG A545E
INC 68306
SECTION I

MRC Mode Code Requirements

Definition: THE OUTPUT CURRENT RATING AT WHICH THE ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. Precede negative values with an M. (e.g., CWGHJCAAM15.0*; CWGHJCAB0.5\$\$JCAC1.5*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
C	DC

<u>REPLY CODE</u>	<u>REPLY (AC30)</u>
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES
N	NANOAMPERES
B	VOLT-AMPERE

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ACYR * J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA110.0*; ACYRJVA6.0\$\$JVA12.0*; ACYRJVB12.0\$\$JVC24.0*; ACYRJVA6.0\$JVA12.0*)

<u>REPLY CODE</u>	<u>REPLY (AB63)</u>
K	KILOVOLTS
V	VOLTS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FIIG A545E
INC 68306
SECTION I

MRC Mode Code Requirements

ACYN * J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0*; ACYNJVA110.0\$JVA220.0*; ACYNJVB105.0\$\$JVC125.0*)

REPLY CODE

K
V

REPLY (AB63)

KILOVOLTS
VOLTS

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

FREQ * B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*; FREQB60.0\$\$B400.0*)

ABKW * J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA0.250*; ABKWJLA25.4*; ABKWJAB0.245\$\$JAC0.255*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

FIIG A545E
INC 68306
SECTION I

MRC Mode Code Requirements

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ABFY * J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA50.8*; ABFYJAB2.375\$\$JAC2.425*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ABMK * J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA3.000*; ABMKJLA26.4*; ABMKJAB17.125\$\$JAC17.500*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Requirements								
ABFF*	D	FURNISHED ITEMS								
		Definition: ITEMS FURNISHED AS ACCESSORIES WHICH ARE NOT SPECIFIED ELSEWHERE.								
		Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2 . (e.g., ABFFDACN*; ABFFDACN\$\$DABW*)								
FEAT *	G	SPECIAL FEATURES								
		Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.								
		Reply Instructions: Enter the reply in clear text. (e.g., FEATGQUALITY CONTROLLED*)								
CBBL *	D	FEATURES PROVIDED								
		Definition: THOSE FEATURE, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.								
		Reply Instructions: Enter the applicable Reply Code from the table below (e.g., CBBLBFG*; CBBLBFG\$\$FLQ*)								
		<table><tr><th><u>REPLY CODE</u></th><th><u>REPLY (AN47)</u></th></tr><tr><td>FLQ</td><td>LIQUID CRYSTAL DISPLAY</td></tr><tr><td><i>FNY</i></td><td><i>ROHS DIRECTIVE COMPLIANCE</i></td></tr><tr><td><i>BFG</i></td><td><i>W/CLOCK</i></td></tr></table>	<u>REPLY CODE</u>	<u>REPLY (AN47)</u>	FLQ	LIQUID CRYSTAL DISPLAY	<i>FNY</i>	<i>ROHS DIRECTIVE COMPLIANCE</i>	<i>BFG</i>	<i>W/CLOCK</i>
<u>REPLY CODE</u>	<u>REPLY (AN47)</u>									
FLQ	LIQUID CRYSTAL DISPLAY									
<i>FNY</i>	<i>ROHS DIRECTIVE COMPLIANCE</i>									
<i>BFG</i>	<i>W/CLOCK</i>									
ZZZK *	J	SPECIFICATION/STANDARD DATA								
		Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.								

FIIG A545E
INC 68306
SECTION I

MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103*)

<u>REPLY CODE</u>	<u>REPLY (AN62)</u>
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STANDARD/SPECIFICATION
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

ZZZT * J NONDEFINITIVE SPEC/STD DATA

NOTE: If the specification/standard cited in reply to MRC ZZZK is nondefinitive, reply to MRC ZZZT. This reply is the data which is not recorded in Segment C.

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

MRC	Mode Code	Requirements
		<p>Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 3, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$\$JSTA*; ZZZTJTY1\$JSTA*)</p>
ZZZY *	G	<p>REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS</p> <p>Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)</p>
CRTL *	A	<p>CRITICALITY CODE JUSTIFICATION</p> <p>Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.</p> <p>Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAACKJA*; CRTLAACKJA\$\$ACSGS*)</p> <p>Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.</p>
PRPY *	A	<p>PROPRIETARY CHARACTERISTICS</p> <p>NOTE: If Document Availability Code B, D, F, or H, reply to MRC PRPY.</p> <p>Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.</p> <p>Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAAKJA\$\$ACSGS*)</p>

FIIG A545E
INC 68306
SECTION I

MRC	Mode Code	Requirements				
ELRN *	G	EXTRA LONG REFERENCE NUMBER				
Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.						
Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).						
If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).						
In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.						
ELCD *	D	EXTRA LONG CHARACTERISTIC DESCRIPTION				
Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.						
Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)						
<table><tr><td><u>REPLY</u> <u>CODE</u></td><td><u>REPLY (AN58)</u></td></tr><tr><td>A</td><td>ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD</td></tr></table>			<u>REPLY</u> <u>CODE</u>	<u>REPLY (AN58)</u>	A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD
<u>REPLY</u> <u>CODE</u>	<u>REPLY (AN58)</u>					
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD					
AGAV *	G	END ITEM IDENTIFICATION				
Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.						
Reply Instructions: Enter the applicable reply in clear text.						
(e.g., AGAVG3930-00-000-0000*;						
AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)						
CXCY *	G	PART NAME ASSIGNED BY CONTROLLING AGENCY				

FIIG A545E
INC 68306
SECTION I

MRC	Mode Code	Requirements
-----	-----------	--------------

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

CLQL *	G	COLLOQUIAL NAME
--------	---	-----------------

Definition: A COMMON USAGE NAME BY WHICH AN ITEM IS KNOWN.

Reply Instructions: Enter the reply in clear text. (e.g., CLQLGWOVEN WIRE CLOTH*)

Reply Tables

Table 1 - CONTACT TYPES 13

Table 2 - FURNISHED ITEMS..... 13

Table 3 - NONDEFINITIVE SPEC/STD DATA..... 14

Table 1 - CONTACT TYPES

CONTACT TYPES

<u>REPLY CODE</u>	<u>REPLY (AG81)</u>
BK	SCREW
CL	BINDING SCREW
CN	SCREW TERMINAL
EJ	SCREW BASE
EK	SCREW SOCKET
DJ	BIFURCATED ACCORDIAN LEAF SPRING
DK	BIFURCATED SPRING
FL	PLUG
FN	TERMINAL STRIP
CF	SCREW STUD

Table 2 - FURNISHED ITEMS
FURNISHED ITEMS

<u>REPLY CODE</u>	<u>REPLY (AJ95)</u>
ADD	AIRTIGHT
AAB	CARD CAGE
AAC	CLOSED FRAME
AAD	DRIPPROOF
ABK	DUST-IGNITION PROOF
ABJ	DUST TIGHT
AAE	DUSTPROOF
ADQ	ENCAPSULATED
AAG	ENVIRONMENTAL PROOF
AAH	EXPLOSION PROOF
AAZ	FULLY INCLOSED
ABN	FUNGUS PROOF
AAJ	FUNGUS RESISTANT
AFM	GENERAL PURPOSE
AAL	HERMETIC
AAK	HERMETICALLY SEALED
AAF	INCLOSED, VENTILATED INCLOSURE
AAM	MOISTURE
ABT	MOISTURE PROOF
AAN	OILTIGHT
AAP	OPEN
AAQ	OPEN FRAME
ABA	PARTIALLY INCLOSED

<u>REPLY CODE</u>	<u>REPLY (AJ95)</u>
AAR	PROTECTED
AAS	RAINPROOF
ACJ	SPLASH PROOF
AAT	SPRAY TIGHT
ACK	SUBMERSIBLE
ACN	TOTALLY INCLOSED
AAW	VENTILATED
AAV	WATERPROOF
AAX	WATERTIGHT
ABC	WEATHERPROOF

Table 3 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

No table of contents entries found.

FIIG Change List

FIIG Change List, Effective April 2, 2010

Add Reply FNY (ROHS DIRECTIVE COMPLIANCE) to MRC CBBL.